PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Palent and Trademark Office; U.S. DEPARTMENT OF COMMERCE and to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449/PTO 10/633,434 Application Number August 1, 2003 Filing Date INFORMATION DISCLOSURE DALSON YE SENG KIM First Named Inventor STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) **Examiner Name** Attorney Docket Number

			U. S. PATENT	DOCUMENTS	Daniel Calumna Linna Mhom
Examiner Initials*	Cite No.	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1,0	A	US- 5,216,278	06/01/1993	Lin et al.	
-VIC	В	^{US-} 5,397,921	03/14/1995	Karnezos	
	c	US- 5,409,865	04/25/1995	Karnezos	
	D	US- 5,420,460	05/30/1995	Massingill	
	E	US- 5,581,226	12/03/1996	Shah	
	F	US- 5,663,593	09/02/1997	Mostafazadeh et al.	
	G	us- 5,866,939	02/02/1999	Shin et al.	
\dashv	Н	US- 5,898,220	04/27/1999	Ball	
\dashv		US- 5,969,416	10/19/1999	Kim ·	
	J	US- 5,973,393	10/26/1999	Chia et al.	
	К	^{US-} 5,976,912	11/02/1999	Fukutomi et al.	
	L	^{US-} 6,028,356	02/22/2000	Kimura	
	M	^{US-} 6,064,111	05/16/2000	Sota et al.	
	N	US- 6,083,776	07/04/2000	Manteghi	<u> </u>
	0	us- 6,114,760	09/05/2000	Kim et al.	
	P	US-6,181,000B1	01/30/2001	Ooigawa et al.	
	Q	^{US-} 6,187,612B1	02/13/2001	Orcutt	
	R	US- 6,228,683B1	05/08/2001	Manteghi	
100	S	US- 6,310,390B1	10/30/2001	Moden.	1

-	FOREIGN PATENT DOCUMENTS Publication Name of Patentee or Pages, Columns, Lines,						
Examiner Initials*	Cite No.1	ite Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	⊤ 6	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if knawn)	MM-DD-YYYY		Ot Melevalit Figures Appear		
.*						-	
						1	
	·					╄	
	-				<u> </u>	╄	
-						╄	
						ـــــــــــــــــــــــــــــــــــــــ	

*EXAMINER: Initial inference considered, whether or not claim is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next commynication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of considered. Include copy of this form with next commynication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Patent Documents at www.uspto.gov or MPEP 901.04. Patent Office that Issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language translation is attached.

Considered

Translation is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the This collection of Information is required by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gethering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.—SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

AUG 2 1 2000

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
of a collection of information unless it contains a valid OMB control number. nder the Paperwork Reduction Act of 1995, no persons are required to respond to

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known Application Number 10/633,434 Filing Date **AUGUST 1, 2003** First Named Inventor DALSON YE SENG KIM Art Unit 2823 Examiner Name Attorney Docket Number

U. S. PATENT DOCUMENTS Publication Date: Name of Patentee or Pages, Columns, Lines, Where Document Number MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Initials* Number-Kind Code^{2 [J Incom)} Figures Appear ^{US-} 4,210,926 Α 07/01/1980 Hacke В ^{US-} 6,337,510 B1 01/08/2002 Chun-Jen et al. C US-2002/0031902 A1 03/14/2002 Pendse et al. ^{US-} 6,359,221 B1 03/19/2002 Yamada et al. D 02/18/2003 Hashimoto 6.521,483 B1 US US. US-US-US-US บร US-บระ US บร. US. US-

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY,		Or Relevant Figures Appear		
	•						

Examiner Signature	Krim	Min	Lie	 Date Considered	5/1/4

*EXAMINER: Infilal if reference considered, whether/or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patant Documents at www.usplo.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Potent and Trademark Clines, P.O. 303 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE nd to a collection of information unless it contains a valid OMB control number.

Onder the Paperwork reduction Act of 1959, no persons the required	Complete if Known			
Substitute for form 1449/PTO	Application Number	10/633.434		
WITCH ATION DIGGLOCURE	Filing Date	August 1, 2003		
INFORMATION DISCLOSURE	First Named Inventor	DALSON YE SENG KIM		
STATEMENT BY APPLICANT	Art Unit	2/23		
(Use as many sheets as necessary)	Examiner Name	H. LEE		
	Att - Dealest Need A	00 1467		

Attorney Docket Number | 02-1467 2 U. S. PATENT DOCUMENTS Pages, Columns, Lines, Where Publication Date Examiner Document Number Relevant Passages or Relevant MM-DD-YYYY Applicant of Cited Document Figures Appear Number-Kind Code^{2 (F known)} ^{US-} 6,415,977B1 Rumsey 07/09/2002 10/15/2002 Farnworth et al. ^{US-} 6,465,877B1 U US- 6,552,427B2 04/22/2003 Moden V 01/14/2003 Moden US- 6,506,625B1 W US- 6,507,114B2 01/14/2003 Hui et al. US-US-US-US-US-US-US-US-US-US-US-US-US-ŪS-

Examiner Initials*	Cite No.1	Cite Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	
The	Υ	JP 6-252194	09/09/1994			<u> </u>
						┡
						<u> </u>
						┡
						ᆫ
					<u> </u>	上

Signature *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next commylication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language

Examiner

Date

Considered

Iransiation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sant to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (04-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

required to respond to a collection of information unless it contains a valid OMB control number. Under the Paperwork Reduction Act of 1995, no persons are C mplete if Known Substitute for form 1449/PTO **Application Number** 637. Filing Date August 1, 2003

INFORMATION DISCLOSURE STATEMENT BY APPLICANT First Named Inventor DALSON YE SENG KIM Art Unit 2823 (Use as many sheets as necessary) **Examiner Name** LEE Attorney Docket Number 02-1467 Sheet

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Lu	Z	MASASUMI AMAGAI, "Chip-Scale Packages for Center-Pad Memory Devices", CHIP SCALE REVIEW, May 1998, pgs. 68-72.	
Lie	AA	MASASUMI AMAGAI, "CSP with Flexible Substrates-Packaging Process", CHIP SCALE' REVIEW, May, 1998, pgs 73-77.	
Lie	AΒ	US Patent Application Serial No. 10/136,186, filed May 1, 2002.	

Examiner Signature	Kown	Mini	Lie	Date Considered	5/21/04
G,g				MOED 600 Downling through o	Itation if not in conformance and not

*EXAMINER: Initial if reference considered, whether or ifot citation is in conform considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English tanguage Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO This collection or split action. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including to preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any commants on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patants, Washington, DC 20231.